

# Relion® 615 series

## - Operation & Engineering

The aim of this course is to familiarize the participants with the operation, setting and engineering of 615 series of IEDs by using REF615 feeder protection relay and PCM600.

### Objectives

After this course the participant will be able to:

- perform all the basic operations from the local HMI (Human Machine Interface).
- read and clear events and alarms
- manage the relay settings
- upload disturbance recordings
- program the relay inputs, outputs, alarm LEDs and functions
- modify an application configuration
- engineer the GOOSE communication

### Participant profile

System engineers, maintenance engineers and persons who want to learn to operate and engineer 615 series of relays.

Course Code	P261
Duration	2 days
Course Fee	1 000 EUR
Language	English
Registration	For registration please contact Vaasa.ABBuniversity@fi.abb.com

### Prerequisites

Basic knowledge of protection relays and the electrical network to be controlled.

### Topics

- Introduction to REF615, RED615, RET615, REU615 and REM615
- Presentation of PCM600 tool
- Local HMI, Web HMI
- Setting the relay (LHMI, Web HMI, PCM600)
- Setting and reading the disturbance recorder
- Signal Matrix Tool (SMT)
- Graphical Display Editor (GDE)
- Application Configuration Tool (ACT)
- GOOSE engineering